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APPLICATION NO	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,431	10/658,431 09/08/2003		Stanley M. Chang	IAT-P002	4726
34351	7590	08/27/2004		EXAMINER	
IRENE HU				PRASAD, CHANDRIKA	
2033 RALSTON AVE., PMB 146 BELMONT, CA 94002			ART UNIT	PAPER NUMBER	
222			2839		

DATE MAILED: 08/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) □ Responsive to communication(s) filed on <u>08 September 2003</u> . 2a) □ This action is FINAL. 2b) □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) <u>1-13</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) <u>1-13</u> is/are allowed. 6) □ Claim(s) <u>1-13</u> is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner.								
## Examiner Art Unit 2839 The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after \$18 (kg) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of hithy (30) days will be considered timely. - If IN Operiod for reply is specified above, the maximum statutory period will apply and will expire \$1X (8) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statutor, period will apply and will expire \$1X (8) MONTHS from the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on *08 September 2003\$. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) *1-13* is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) * is/are allowed. 6) Claim(s) * is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s)								
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9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachment(s)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 9/8/03,11-14-03. 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:								

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DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-2 and 5-13 are rejected under 35 U.S.C. 102(b) as being anticipated by Paagman (5924899).

Paagman (Figures 1-3b) shows an integrated multi-chip connector module and its assembly method having a plurality of substrate assemblies stacked in a housing 82, each substrate assembly having a substrate 24 with a plurality of integrated circuits attached to it, a set of input and output pins 68, 42 with first ends electrically connected to the circuits on the substrate and second ends protruding through apertures in the housing 82. The pins are anchored to the substrate by anchoring means. Pins 42 are oriented differently from other pins. The circuit would receive electrical signals at one voltage and output at another voltage as moderated by chips 78. The pins can be coupled to a backplane or an external line card.

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Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Paagman (5924899).

Paagman shows all the features of these claims except the second ends terminating in an electrically conductive pad or cusp. Such features are well known in the art of electrical connectors. It would have been obvious to one having ordinary skill in the art at the time of the instant invention to provide these well known features depending upon the type of contact or mounting desired.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ferentz (6764343), Farago (4972470), Brunelle et al. (6721195), Bickford (6398588), La Rue (6081430), Smolley (5007841) and Benasutti (4390220).

Contact Information

7. Any correspondence to this action may be mailed to:

Commissioner for Patents Post Office Box 1450 Alexandria, VA 22313-1450 Application/Control Number: 10/658,431 Page 4

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chandrika Prasad whose telephone number is (571) 272-2099.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor can be reached at (571) 272-2800 ext 39. The fax number is (703) 872-9306.

Chandrika Prasad Primary examiner August 26, 2004